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SEQUENCE LISTING

<110> Quirk, S.

<120> Modular peptide-based reagent

<130> 1443.026US1

<140> US 10/027,038

<141> 2001-12-20

<160> 34

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 36

<212> PRT

<213> Meleagris gallopavo

<400> 1

Gly Pro Ser Gln Pro Thr Tyr Pro Gly Asp Asp Ala Pro Val Glu Asp

1 5 10 15

Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln Tyr Leu Asn Val Val Thr

20 25 30

Arg His Arg Tyr

35

<210> 2

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> A peptide backbone.

<400> 2

Gly Pro Ser Gln Pro Thr Tyr Pro Gly Asp Asp Ala Pro Val Glu Asp

1 5 10 15

Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln Trp Leu Asn Val Val Thr

20 25 30

Arg His Arg Tyr

35

<210> 3

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> A peptide backbone.

<400> 3

Met Cys Pro Ser Gln Pro Thr Tyr Pro Gly Asp Asp Ala Pro Val Glu

1 5 10 15

Asp Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln Tyr Leu Asn Val Val

20 25 30

Thr Arg His Arg Tyr

35

<210> 4

<211> 37

<212> PRT

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<213> Artificial Sequence

<220>

<223> A peptide backbone.

<400> 4

Met	Cys	Pro	Ser	Gln	Pro	Thr	Tyr	Pro	Gly	Asp	Asp	Ala	Pro	Val	Glu
1				5				10					15		
Asp	Leu	Ile	Arg	Phe	Tyr	Asp	Asn	Leu	Gln	Gln	Tyr	Leu	Asn	Cys	Val
				20				25				30			
Thr	Arg	His	Arg	Tyr											35

<210> 5

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> A peptide backbone.

<400> 5

Gly	Pro	Ser	Gln	Pro	Thr	Tyr	Pro	Gly	Asp	Pro	Ala	Pro	Val	Glu	Asp
1				5				10				15			
Leu	Ile	Arg	Phe	Tyr	Asp	Asn	Leu	Gln	Gln	Tyr	Leu	Asn	Val	Val	Thr
				20				25				30			
Arg	His	Arg	Tyr												35

<210> 6

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> A peptide backbone.

<400> 6

Gly	Pro	Ser	Gln	Pro	Thr	Tyr	Pro	Gly	Asp	Asp	Gly	Pro	Val	Glu	Asp
1				5				10				15			
Leu	Ile	Arg	Phe	Tyr	Asp	Asn	Leu	Gln	Gln	Tyr	Leu	Asn	Val	Val	Thr
				20				25				30			
Arg	His	Arg	Tyr												35

<210> 7

<211> 4

<212> PRT

<213> Meleagris gallopavo

<400> 7

Arg His Arg Tyr

1

<210> 8

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> A peptide backbone.

<400> 8
Gly Pro Ser Gln Pro Thr Tyr Pro Gly Asp Asp Ala Pro Val Glu Asp
1 5 10 15
Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln Tyr Leu Asn Val Val Thr
20 25 30
Ala Ala

<210> 9
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> A peptide backbone.

<400> 9.
Gly Pro Ser Gln Pro Thr Tyr Pro Gly Asp Asp Ala Pro Val Glu Asp
1 5 10 15
Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln Tyr Leu Asn Val Val Thr
20 25 30
Arg His Arg Tyr Cys
35

<210> 10
<211> 33
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<220>
<223> A peptide backbone.

<400> 10
Gly Pro Ser Gln Pro Thr Tyr Pro Gly Asp Asp Ala Pro Val Glu Asp
1 5 10 15
Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln Tyr Leu Asn Val Val Thr
20 25 30
Cys

<210> 11
<211> 36
<212> PRT
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<220>
<223> A peptide backbone.

<400> 11
Met Cys Pro Ser Gln Pro Thr Tyr Pro Gly Asp Pro Gly Pro Val Glu
1 5 10 15
Asp Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln Trp Leu Asn Cys Val
20 25 30
Thr Ala Ala Cys
35

<210> 12
<211> 111
<212> DNA
<213> Artificial Sequence

<220>

<223> A nucleotide sequence encoding SEQ ID NO:11.

<400> 12
atgtgccccga gccagccgac ctatccgggc gatccgggc cggttgaaga tctgatccgc
ttttatgata acctgcagca tggtgctgaac tgcgtgaccg cccctgtcta g

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120
132
133

<210> 13
<211> 132
<212> DNA
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<223> A nucleotide sequence encoding SEQ ID NO:11.

<400> 13
acacaccata tgtccccgag ccagccgacc tatccggcg atccgggc ggttggaaat
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120
132

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<211> 35
<212> PRT
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<220>

<223> A peptide backbone.

<400> 14
Cys Pro Ser Gln Pro Thr Tyr Pro Gly Asp Pro Gly Pro Val Glu Asp
1 5 10 15
Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln Trp Leu Asn Cys Val Thr
20 25 30
Ala Ala Cys
35

<210> 15
<211> 6
<212> PRT
<213> Bos taurus

<400> 15
Pro Tyr Arg Ile Arg Phe
1 5

<210> 16
<211> 18
<212> DNA
<213> Artificial Sequence

<220>

<223> A portion of the recognition sequence from Bovine Pancreatic Trypsin Inhibitor (PYRIRF, SEQ ID NO:15) converted into this DNA sequence using E. coli codon usage.

<400> 16
ccgtatcgca tccgcttt

<210> 17
<211> 30
<212> DNA
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<220>
 <223> SEQ ID NO:16 with flanking Sma I sites.

 <400> 17
 cccggccgt atcgcatccg ctttccccggg 30

 <210> 18
 <211> 5
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> A peptide interactive domain.

 <400> 18
 Tyr Lys Leu Lys Tyr 5
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 <210> 19
 <211> 15
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> SEQ ID NO:18 converted into this DNA sequence.

 <400> 19
 tataaactga agtat 15

 <210> 20
 <211> 27
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> SEQ ID NO:19 with Sma I flanking sequences.

 <400> 20
 cccgggtata aactgaagta tcccgaa 27

 <210> 21
 <211> 41
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> A peptide-based reagent that combines the SEQ ID
 NO:15 interactive domain with the SEQ ID NO:11
 peptide backbone.

 <400> 21
 Cys Pro Ser Gln Pro Thr Tyr Pro Gly Asp Pro Pro Tyr Arg Ile Arg
 1 5 10 15
 Phe Gly Pro Val Glu Asp Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln
 20 25 30
 Trp Leu Asn Cys Val Thr Ala Ala Cys
 35 40

 <210> 22
 <211> 40
 <212> PRT
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<220>
 <223> A peptide-based reagent that combines the SEQ ID
 NO:18 interactive domain with the SEQ ID NO:11
 peptide backbone.

<400> 22
 Cys Pro Ser Gln Pro Thr Tyr Pro Gly Asp Pro Tyr Lys Leu Lys Tyr
 1 5 10 15
 Gly Pro Val Glu Asp Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln Trp
 20 25 30
 Leu Asn Cys Val Thr Ala Ala Cys
 35 40

<210> 23
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> An oligonucleotide used to construct SEQ ID NO:13.

<400> 23
 acacaccata tgtgccccag 20
 <210> 24
 <211> 28
 <212> DNA
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<220>
 <223> An oligonucleotide used to construct SEQ ID NO:13.

<400> 24
 tcggctggct cgggcacata tggtgtgt 28
 <210> 25
 <211> 27
 <212> DNA
 <213> Artificial Sequence

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<400> 25
 ccagccgacc tatccggcg atcccg 27
 <210> 26
 <211> 27
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<400> 26
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 <210> 27
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<400> 27
gccccgtggaa gatctgatcc gcttttat 28

<210> 28
<211> 28
<212> DNA
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<400> 28
aggttatacat aaaagcggat cagatctt 28

<210> 29
<211> 28
<212> DNA
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<220>
<223> An oligonucleotide used to construct SEQ ID NO:13.

<400> 29
gataaacctgc agcagtggct gaactgcg 28

<210> 30
<211> 29
<212> DNA
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<220>
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<400> 30
cgccggtcac gcagttcagc cactgctgc 29

<210> 31
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
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<400> 31
tgaccggccgc ctgcttaggga tccacacac 29

<210> 32
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<220>
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<400> 32
gtgtgtggat cccttagcagg 20

<210> 33

<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> An oligonucleotide used to construct SEQ ID NO:13.

<400> 33
acacaccata tgtgcccc

18

<210> 34
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> An oligonucleotide used to construct SEQ ID NO:13.

<400> 34
gtgtgtggat cccttagca

18